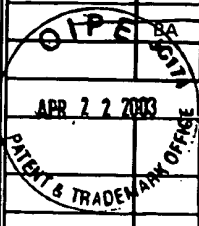


FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO: MOESTRUP = 1A		SERIAL NO: 09/977,577						
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: MOESTRUP, et al.								
				FILING DATE: October 16, 2001		GROUP: 1619						
U.S. PATENT DOCUMENTS (include at least patentee, patent number and issue date)												
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FOREIGN PATENT DOCUMENTS (include at least document number, publication date and country)												
		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES/NO
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SHEET 1 OF

FORM 379-200 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO: MOESTRUP = 1A

SERIAL NO: 09/977,577

LIST OF DOCUMENTS CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT: MOESTRUP et al

FILING DATE: October 16, 2001

GROUP: 1619

U.S. PATENT DOCUMENTS (include at least patentee, patent number and issue date)

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FOREIGN PATENT DOCUMENTS (include at least document number, publication date and country)

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES/NO
RBK AA 9 9 5 6 7 2 3	11-11-1999	CANADA	A2		

OTHER DOCUMENTS (include author, title, name of publication, volume, pages & date of publication)

AB

RITTER et al., Genomic Organization and Chromosomal Localization of the Human CD163 (M130) Gene: A Member of the Scavenger Receptor Cysteine-Rich Superfamily, Biochemical and Biophysical Research Communications, Vol. 260, No. 2, 1999, pages 466-474.

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US patent application No. 09/977,577
 ProteoPharma ApS
 CD163
 Docket No.: MOESTRUP = 1A_____

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List of references mentioned in the specification

- 1) Andris-Widhopf, J., Rader, C., Steinberger, P., Fuller, R., and Barbas, C. F., III, "Methods for the generation of chicken monoclonal antibody fragments by phage display", *J Immunol Methods* 242(1-2), 159-181 (August 28, 2000)
- 2) Birn, H. et al., "Characterization of an epithelial ~460-kDa protein that facilitates endocytosis of intrinsic factor-vitamin B₁₂ and binds receptor-associated protein", *J. Biol. Chem.* 272, 26497-26504 (October 1997)
- 3) Chander, R. et al., "Artificial viral envelopes containing recombinant human immunodeficiency virus (HIV) gp160", *Life Sci.* 50, 481-489 (1992)
- 4) Dubensky et al., "Direct transfection of viral and plasmid DNA into the liver or spleen of mice", *Proc. Natl. Acad. Sci. USA* 81, 7529-7533 (December 1984)
- 5) Epstein, A. L. et al., "Biology of the human malignant lymphomas. IV. Functional characterization of ten diffuse histiocytic lymphoma cell lines", *Cancer* 42, 2379-2391 (November 1978)
- 6) Ferry et al., "Retroviral-mediated gene transfer into hepatocytes *in vivo*", *Proc. Natl. Acad. Sci. USA* 88, 8377-8381 (October 1991)
- 7) Ghmati et al., "Identification of haptoglobin as an alternative ligand for CD11b/CD18, *J. Immunol.* 156, 2542-2552 (April 1, 1996)
- 8) Hatzoglu et al., "Hepatic gene transfer in animals using retroviruses containing the promoter from the gene for phosphoenolpyruvate carboxykinase", *J. Biol. Chem.* 265, 17285-17293 (October 5, 1990)
- 9) Hiebert et al., "E1A-dependent trans-activation of the human MYC promoter is mediated by the E2F factor", *Proc. Natl. Acad. Sci. USA* 86, 3594-3598 (May 1989)
- 10) Horn, I. R., Moestrup, S. K., van den Berg, B. M., Pannekoek, H., Nielsen, M. S., and van Zonneveld, A. J., "Analysis of the binding of pro-urokinase and urokinase-plasminogen activator inhibitor-1 complex to the low density lipoprotein receptor-related protein using a Fab fragment selected from a phage-displayed Fab Library", *J. Biol. Chem.* 270(20), 11770-11775 (May 1995)
- 11) Kaneda et al., "Increased expression of DNA cointroduced with nuclear protein in adult rat liver", *Science* 243, 375-378 (January 20, 1989)



RBK

US patent application No. 09/977,577
 ProteoPharma ApS
 CD163
 Docket No.: MOESTRUP = 1A

RBK

- 12) Kang, A. S., Burton, D. R., and Lerner, R. A., "Combinatorial immunoglobulin libraries in phage λ ", *Methods: A Companion to Methods in Enzymology* 2(2), 111-118 (April 1991)
- 13) Kozyraki, R., Fyfe, J., Kristiansen, M., Gerdes, C., Jacobsen, C., Cui, S., Christensen, E. I., Aminoff, M., de la Chapelle, A., Krahe, R., Verroust, P. J., and Moestrup, S. K., "The intrinsic factor-vitamin B₁₂ receptor, cubilin, is a high-affinity apolipoprotein A-I receptor facilitating endocytosis of high-density lipoprotein", *Nat. Med.* 5(6), 656-61 (June 1999)
- 14) Kristiansen, M., Kozyraki, R., Jacobsen, C., Nexø, E., Verroust, P.J., and Moestrup, S.K., "Molecular dissection of the intrinsic factor-vitamin B₁₂ receptor, cubilin, discloses regions important for membrane association and ligand binding", *J. Biol. Chem.* 274, 20540-20544 (July 16, 1999)
- 15) Kristiansen, M., Graversen, J.H., Jacobsen, C., Sonne, O., Hoffman, H., Alex Law, S.K., and Moestrup, S.K., "Identification of the hemoglobin scavenger receptor", *Nature* 409, 198-201 (January 2001)
- 16) Alex Law, S. K. et al., "A new macrophage differentiation antigen which is a member of the scavenger receptor superfamily", *Eur. J. Immunol.* 23, 2320-2325 (September 1993)
- 17) Marks, J. D., Hoogenboom, H. R., Bonnert, T. P., McCafferty, J., Griffiths, A. D., and Winter, G., "By-passing immunization. Human antibodies from V-gene libraries displayed on phage", *J. Mol. Biol.* 222(3), 581-597 (September 1991)
- 18) Moestrup, S. K., Christensen, E. I., Sottrup-Jensen, L. & Gliemann, J., "Binding and receptor-mediated endocytosis of pregnancy zone protein-proteinase complex in rat macrophages", *Biochim. Biophys. Acta* 930, 297-303 (October 1, 1987)
- 19) Moestrup, S. K., Kaltoft, K., Sottrup-Jensen, L. & Gliemann, J., "The human α_2 -macroglobulin receptor contains high affinity calcium binding sites important for receptor conformation and ligand recognition", *J. Biol. Chem.* 265, 12623-12628 (July 1990)
- 20) Moestrup, S. K. & Gliemann, J., "Analysis of ligand recognition by the purified α_2 -macroglobulin receptor (low density lipoprotein receptor-related protein)", *J. Biol. Chem.* 266, 14011-14017 (July 1991)
- 21) Moestrup, S. K. et al., " β_2 -glycoprotein-I (apolipoprotein H) and β_2 -glycoprotein-I-phospholipid complex harbor a recognition site for the endocytic receptor megalin", *J. Clin. Invest.* 102, 902-909 (September 1998)

RBK

US patent application No. 09/977,577
 ProteoPharma ApS
 CD163
 Docket No.: MOESTRUP = 1A

- RBK**
- 22) Morishita R. et al., "Novel in vitro gene transfer method for study of local modulators in vascular smooth muscle cells", *Hypertension* 21, 894-899 (June 1993)
 - 23) Nabel, E. G. et al., "Recombinant gene expression *in vivo* within endothelial cells of the arterial wall", *Science* 244, 1342-1344 (June 1989)
 - 24) Pulford, K., Micklem, K., Alex Law, S. K. & Mason, D. Y., "CD163 (M130 antigen) workshop panel report", in *Leukocyte Typing VI*. (eds. Kishimoto, T. et al.) 1089-1091 (Garland Publishing Inc., New York, 1997)
 - 25) Ritter et al., "The scavenger receptor CD163: regulation, promoter structure and genomic organization", *Pathobiology* 67, 257-261 (1999)
 - 26) Schreier, H. et al., "Targeting of liposomes to cells expressing CD4 using glycosylphosphatidylinositol-anchored gp120", *J. Biol. Chem.* 269, 9090-9098 (March 1994)
 - 27) Schreier, H., "The new frontier: gene and oligonucleotide therapy", *Pharm. Acta Helv.* 68, 145-159 (January 1994)
 - 28) Schreier H. et al., "(Patho)physiologic pathways to drug targeting: artificial viral envelopes", *J. Mol. Recognit.* 8, 59-62 (January-April 1995)
 - 29) Sizemore, D. R. et al., "Attenuated *Shigella* as a DNA delivery vehicle for DNA-mediated immunization", *Science* 270, 299-302 (October 1995)
 - 30) Stecenko, A. A. et al., "Fusion of artificial viral envelopes containing respiratory syncytial virus (RSV) attachment (G) and fusion (F) glycoproteins with Hep-2-cells", *Pharm. Pharmacol. Lett.* 1, 127-129 (1992)
 - 31) Van den Heuvel, M.M. et al., "Regulation of CD163 on human macrophages: cross-linking of CD163 induces signaling and activation", *J. Leukoc. Biol.* 66, 858-866 (November 1999)
 - 32) Wejman, J. C., Hovsepian, D., Wall, J. S., Hainfeld, J. F. & Greer, J., "Structure and assembly of haptoglobin polymers by electron microscopy", *J. Mol. Biol.* 174, 343-368 (April 5, 1984)
 - 33) U.S. Pat. No. 4,769,330 (Paoletti et al., 6 September 1988)
 - 34) U.S. Pat. No. 5,155,020 (Paoletti, 13 October 1992)
 - 35) U.S. Pat. No. 5,204,243 (Paoletti, 20 April 1993)
 - 36) U.S. Pat. No. 5,225,336 (Paoletti, 6 July 1993)
 - 37) U.S. Pat. No. 5,252,348 (Schreier et al., 12 October 1993)
- RBK**

US patent application No. 09/977,577
ProteoPharma ApS
CD163
Docket No.: MOESTRUP = 1A

Other relevant references

- RBK
- 38) U.S. Pat. No. 5,928,913 (Efsthathiou et al., 27 July 1999)
- 39) U.S. Pat. No. 5,962,667 (Jain et al., 5 October 1999)
- 40) U.S. Pat. No. 5,972,707 (Roy et al., 26 October 1999)
- 41) U.S. Pat. No. 5,972,899 (Zychlinsky et al., 26 October 1999)
- 42) U.S. Pat. No. 6,025,337 (Truong et al., 15 February 2000)
- 43) U.S. Pat. No. 6,046,314 (Gebe et al., 4 April 2000)
- RBK 44) U.S. Pat. No. 6,063,901 (Tryggvason et al., 16 May 2000)